## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2005/007521

			003/00/321	
_	ATION OF SUBJECT MATTER F24C1/00, 7/02, 15/32			
According to Inte	ernational Patent Classification (IPC) or to both national	classification and IPC		
B. FIELDS SE.	ARCHED			
Minimum docum	entation searched (classification system followed by class	ssification symbols)		
Int.Cl'	F24C1/00, 7/02, 15/32			
Documentation s	earched other than minimum documentation to the exten	nt that such documents are included in the	e fields searched	
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005				
Kokai Ji	tsuyo Shinan Koho 1971-2005 Tor	roku Jitsuyo Shinan Koho	1994-2005	
Electronic data b	ase consulted during the international search (name of da	ata base and, where practicable, search te	rms used)	
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT	· · · · · · · · · · · · · · · · · · ·		
Category*	Citation of document, with indication, where app		Relevant to claim No.	
Y	JP 56-42020 A (Hitachi Netsuk	kigu Kabushiki	1-7	
	Kaisha), 20 April, 1981 (20.04.81),	•		
	Full text			
	(Family: none)			
Y	JP 2004-61011 A (Matsushita F	Electric Industrial	1-4,6,7	
	Co., Ltd.), 26 February, 2004 (26.02.04),			
	Full text			
	(Family: none)			
			·	
Further documents are listed in the continuation of Box C.  See patent family annex.				
* Special categories of cited documents:  "T" later document published after the international filing date or priority				
	efining the general state of the art which is not considered icular relevance	date and not in conflict with the application the principle or theory underlying the interest of the principle of the princip		
"E" earlier applie filing date	cation or patent but published on or after the international	"X" document of particular relevance; the considered novel or cannot be consi	claimed invention cannot be dered to involve an inventive	
"L" document w	which may throw doubts on priority claim(s) or which is ablish the publication date of another citation or other	step when the document is taken alone		
special reaso	on (as specified)	"Y" document of particular relevance; the considered to involve an inventive	step when the document is	
	eferring to an oral disclosure, use, exhibition or other means ublished prior to the international filing date but later than	combined with one or more other such being obvious to a person skilled in the		
	date claimed	"&" document member of the same patent		
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Date of the actual completion of the international search  11 July, 2005 (11.07.05)		Date of mailing of the international sea 26 July, 2005 (26.		
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Name and mailing address of the ISA/  Authorized officer				
Name and mailing address of the ISA/ Japanese Patent Office				
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Facsimile No.		Telephone No.	<del></del>	

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Y	JP 2004-20005 A (Matsushita Electric Industrial Co., Ltd.), 22 January, 2004 (22.01.04), Full text & US 2003-230569 A1 & EP 1372358 A1 & CN 1469081 A	1
Y	JP 60-29838 Y2 (Toshiba Corp.), 07 September, 1985 (07.09.85), Full text (Family: none)	1
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 78123/1978 (Laid-open No. 179579/1979) (Hitachi Netsukigu Kabushiki Kaisha), 19 December, 1979 (19.12.79), Full text (Family: none)	1
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 157219/1977(Laid-open No. 82088/1979) (Hitachi Netsukigu Kabushiki Kaisha), 11 June, 1979 (11.06.79), Full text (Family: none)	1
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 5671/1987(Laid-open No. 114235/1988) (Hitachi Netsukigu Kabushiki Kaisha), 22 July, 1988 (22.07.88), Full text (Family: none)	7
Y	JP 59-1930 A (Sanyo Electric Co., Ltd.), 07 January, 1984 (07.01.84), Full text (Family: none)	7
Y	JP 2003-50015 A (Sharp Corp.), 21 February, 2003 (21.02.03), Full text (Family: none)	1
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 58-32081 Y2 (Tokyo Shibaura Electric Co., Ltd.), 16 July, 1983 (16.07.83), Full text (Family: none)	1-7
A	JP 2002-512010 A (Yung Simon), 23 April, 2002 (23.04.02), Full text & WO 99/53767 A1 & US 6035763 Al & US 6347578 B1 & US 2002-83845 Al & EP 1071337 A & DE 69903530 T & AU 3614499 A & CA 2328964 A & CN 1323163 T & AU 765764 B	1-7